

NTSC WV-CW484S (24 V AC or 12 V DC) <Smoke Dome Type>
WV-CW484F (24 V AC or 12 V DC) <Smoke Dome Type>
PAL WV-CW480S (220 ~ 240 V AC) <Clear Dome Type>
WV-CW484F (24 V AC or 12 V DC) <Clear Dome Type>



(Flush Mount Type)



(Surface Mount Type)

SDIII

Super Dynamic



Super Dynamic III Vandal Resistant Fixed Dome Camera with Day-Night and ABF (Auto Back Focus) for 24 hours a day surveillance

Key Features

- **Super Dynamic III** technology delivers 128x (NTSC) / 160x (PAL) wider dynamic range compared to conventional cameras.
- High resolution: 540 TV lines typical / 520 TV lines minimum (Color HIGH mode), 480 TV lines minimum (Color NORMAL mode), 570 TV lines minimum (B/W mode)
- High sensitivity with Day-Night function: 0.6 lux (Color), 0.08 lux (B/W) with clear dome cover. IR cut filter goes on and off and ABF (Auto Back Focus) re-adjusts back focus upon color/BW switching to ensure picture quality of both color and B/W.
- ABF (Auto Back Focus) allows easy installation and stable focus in both color and B/W modes.
- Adaptive Digital Noise Reduction: Integration of 2D-DNR and 3D-DNR ensures noise reduction in various conditions.
- Electronic sensitivity enhancement: Auto (Up to 10x) / Manual (Up to 32x).
- Electronic shutter from 1/100 (NTSC), 1/120 (PAL) to 1/10,000 sec.
- Video Motion Detector with Sensitivity 256 steps, Mask 8 x 6 areas
- Scene Change Detection alarms when lens is covered, spray painted, removed or defocused.
- Day-Night input and alarm output terminals.
- 3.8 ~ 8.0 mm, 2x varifocal lens with 2x digital zoom.
- Auto image stabilizer for applications where vibration or wind is a concern.
- Internal / Line-lock / Multiplexed Vertical Drive (VD2) synchronization.
- Over the coaxial cable data communication.
- Monitor output for easier installation.
- 16 alphanumeric camera title display.
- Multi language setup menu: English, French, Italian, Spanish, German, Russian
- IP66 rated water and dust resistant. IEC60529 measurement standard compatible.

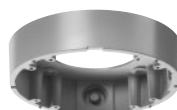
- Dehumidification device for use in various weather conditions.
- Vandal resistant mechanism for high reliability
- Three-way hinge (horizontal, vertical and swivel rotation) for easy installation
- Various mounting options: Flash mount (F type), Surface mount (S type), Embedded mount (with optional WV-Q166)
- Optional heater maintains operating temperature $-30^{\circ}\text{C} \sim +50^{\circ}\text{C}$ ($-22^{\circ}\text{F} \sim +122^{\circ}\text{F}$).

Standard Accessories

- | | |
|--|---|
| • Operating Instructions..... 1 pc. | • Camera attachment 1 pc. |
| • Mounting Bracket
(For WV-CW480S/CW484S)..... 1 pc. | • Bit for tamperproof screw 1 pc. |
| • Screws for mounting bracket (M4 x 8)
(For WV-CW480S/CW484S)..... 4 pcs. | • Butyl tape 1 pc. |

Optional Accessories

Mount Bracket for WV-CW484F
WV-Q114



Heater Unit
WV-CW4H



Embedded Ceiling Mount Bracket
WV-Q166



Clear Dome Cover
WV-CW4C
(NTSC only)



Smoke Dome Cover
WV-CW4S
(PAL only)



Specifications

TV System		NTSC	PAL
Type		WV-CW484S: Surface mount type WV-CW484F: Flush mount type	WV-CW480S: Surface mount type
Camera	Image Sensor	1/3-type interline transfer CCD	
	Effective Pixels	768 (H) x 494 (V)	
	Scanning Mode	2:1 interlace scan	
	Scanning Area	4.8 (H) x 3.6 (V) mm	
	Scanning Frequency	Horizontal: 15.734 kHz Vertical: 59.94 Hz	Horizontal: 15.625 kHz Vertical: 50.00 Hz
	Scanning Line	525 lines	
	Horizontal Resolution	540 TV lines typical at color high mode, 480 TV lines at color normal mode, 570 TV lines at B/W mode	
	Minimum Illumination	Color (30IRE): 1.5 lux (SENS UP: OFF), 0.15 lux (SENS UP: 10x) at F1.4 B/W (10IRE): 0.16 lux (SENS UP: OFF), 0.016 lux (SENS UP: 10x) at F1.4 Will be same as PAL spec with WV-CW4C optional clear dome cover	Color (30IRE): 0.6 lux (SENS UP: OFF), 0.06 lux (SENS UP: 10x) at F1.4 B/W (10IRE): 0.08 lux (SENS UP: OFF), 0.008 lux (SENS UP: 10x) at F1.4
	Signal-to-Noise Ratio	50 dB (AGC Off, Weight On)	
	White Balance	ATW1, ATW2, or AWC	
Lens	Light Control	ALC / ELC (only when monitor output is used)	
	AGC	ON (HIGH / MID / LOW), or OFF	
	Super Dynamic III	ON or OFF (with BLC masking 8 x 6 areas)	
	Dynamic Range	52 dB typical (Super Dynamic III ON)	
	Electronic Shutter	OFF (1/60), 1/100, 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000 s	OFF (1/50), 1/120, 1/250, 1/500, 1/1,000, 1/2,000, 1/4,000, 1/10,000 s
	Electronic Sensitivity UP	OFF / AUTO (2x, 4x, 6x, 10x) / FIX (2x, 4x, 6x, 10x, 16x, 32x)	
	Digital Noise Reduction	High / Low	
	Resolution Mode	Normal / High	
	Black and White Mode	Mode: AUTO1 / AUTO2 / ON / OFF, Level: High / Low, with external control	
	Digital Zoom	2x	
Pan and Tilt	Video Motion Detection	OFF / Mode1 (VMD) / Mode2 (Scene change), Sensitivity 256 steps, Mask 8 x 6 areas	
	Scene Change Detection	Yes, Included in VMD Mode2	
	Privacy Zone	ON (Gray / Mosaic) or OFF	
	Auto Image Stabilizer	ON or OFF	
	Camera Title	Up to 16 characters	
	Lens Mount	CS-mount	
	Back Focus Adjustment	ABF, MANUAL, AUTO / PRESET / FIX	
	Synchronization	Internal (INT), Multiplexed Vertical Drive (VD2), Line-Lock (LL)	
	Focal Length	3.8 ~ 8.0 mm, 2x varifocal	
	Angular Field of View	H: 35.6° (TELE) ~ 73.6° (WIDE) V: 26.6° (TELE) ~ 53.4° (WIDE)	
Input / Output	Maximum Aperture Ratio	1:1.4 (WIDE) 1:1.8 (Tele)	
	Focusing Range	1.2 m (3.9 ft.) ~ ∞	
	Panning Range	±175°	
	Tilting Range	±75°	
	Video Output	1.0 V [p-p] / NTSC composite 75 Ω / BNC Connector Multiplexed VD2 and control data capable	1.0 V [p-p] / PAL composite 75 Ω / BNC Connector Multiplexed VD2 and control data capable
	Monitor Output	1.0 V [p-p] / 75 Ω / NTSC composite signal / ø3.5 mm mini jack	1.0 V [p-p] / 75 Ω / PAL composite signal / ø3.5 mm mini jack
	General		
	Setup Method	OSD setup menu	
	Language	English, Russian (For setup menu and camera ID), German, French, Italian, Spanish (For setup menu), Chinese, Japanese (For camera title. Setup menu will be English.)	
	Safety/EMC Standard	UL (6500 Edition2), FCC (Part15 ClassA), C-UL (E60065), DOC (ICES003 ClassA)	CE (EN60065, EN55022, EN55024, ClassB), GOST (R 51558).
General	Power Source and Power Consumption	24 V AC 60 Hz, 4.1 W, 11 W*, 12 V DC 340 mA**	WV-CW480S: 220 V ~ 240 V AC 50 Hz, 7 W, 13 W* WV-CW484F: 24 V AC 50 Hz, 4.1 W, 11 W*, 12 V DC 340 mA**
	Ambient Operating Temperature	-10 °C ~ +50 °C (14 °F ~ 122 °F), -30 °C ~ +50 °C (-22 °F ~ 122 °F)*	
	Ambient Operating Humidity	90 % or less (without condensation)	
	Water and Dust Resistance	IP66, IEC60529 measurement standard compatible.	
	Dimensions	WV-CW484S: ø158.3 mm x 146.2 mm (ø6-1/4" x 5-3/4") WV-CW484F: ø154 mm x 141.2 mm (ø6-1/16" x 5-9/16")	WV-CW480S: ø160 mm x 161.7 mm (ø6-5/16" x 6-3/8") WV-CW480S: 2.1 kg (4.62 lbs.) WV-CW484F: 1.4 kg (3.08 lbs.)
	Weight (approx.)		

* With optional Heater Unit WV-CW4H

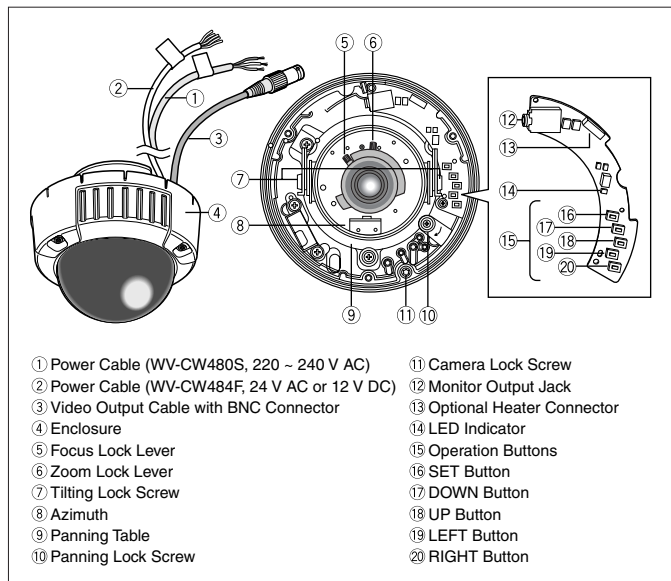
** Optional Heater Unit WV-CW4H cannot be used under 12 V DC operation

Important

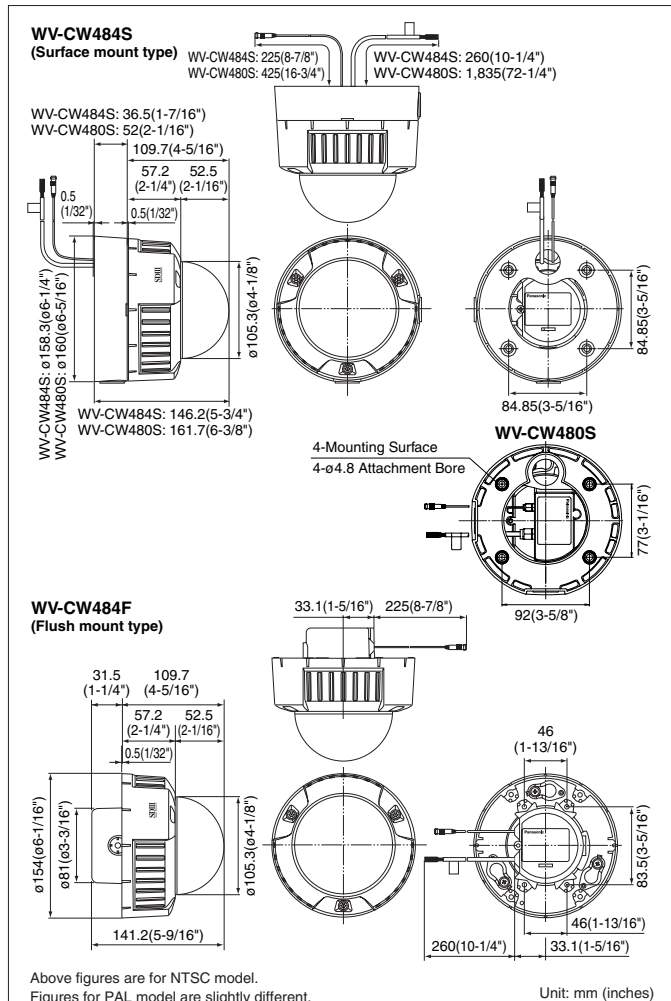
– Safety Precaution: carefully read the operating instructions and installation manual before using this product.

DISTRIBUTED BY:

Part Names and Functions



Appearance



- All TV pictures/menu are simulated.
- Weights and dimensions are approximate.
- Specifications are subject to change without notice.
- These products may be subject to export control regulations.
- Product pictures shown in this catalog are all NTSC models.

Panasonic

<http://panasonic.co.jp/pss/cctv/en/>

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